

ALA-induced PpIX in R1881-treated LNCaP cells

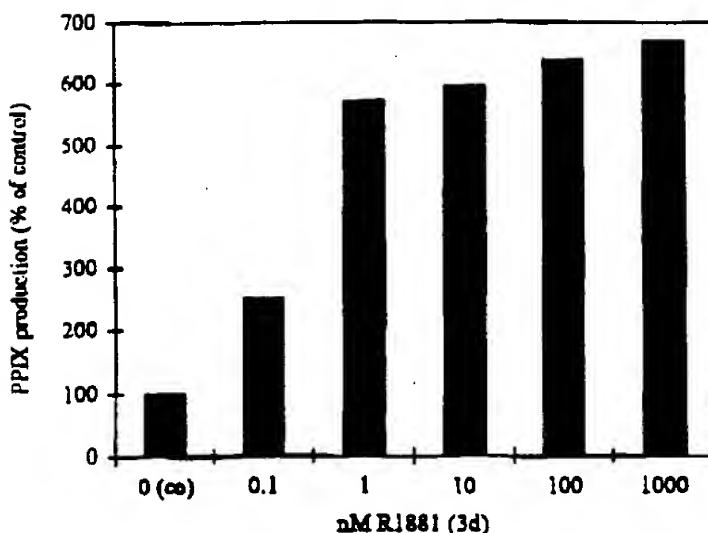


Figure 1.

ALA-induced PpIX formation by LNCaP human prostate cancer cells. The cells were incubated for 4 hours with 0.3 mM ALA after 72 hours of pretreatment with the synthetic androgen R1881 at concentrations between 10^{-10} to 10^{-6} . The PpIX formation is recorded as % of cells without androgen treatment and shows a significant increase in R1881-treated cells.

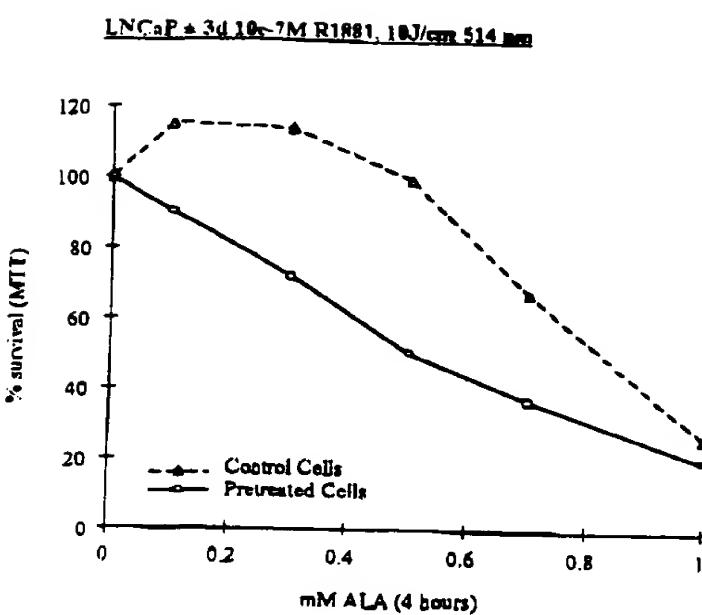


Figure 2.

ALA-induced PpIX for PDT of LNCaP cells with (circles) or without (triangles) pretreatment for 72 hours with 10^{-7} M R1881. The cells were incubated with ALA concentrations from 0.1 to 1.0 mM for four hours prior to exposure to 10 J/cm^2 of 514 nm light. Reduced survival of R1881-pretreated cells.

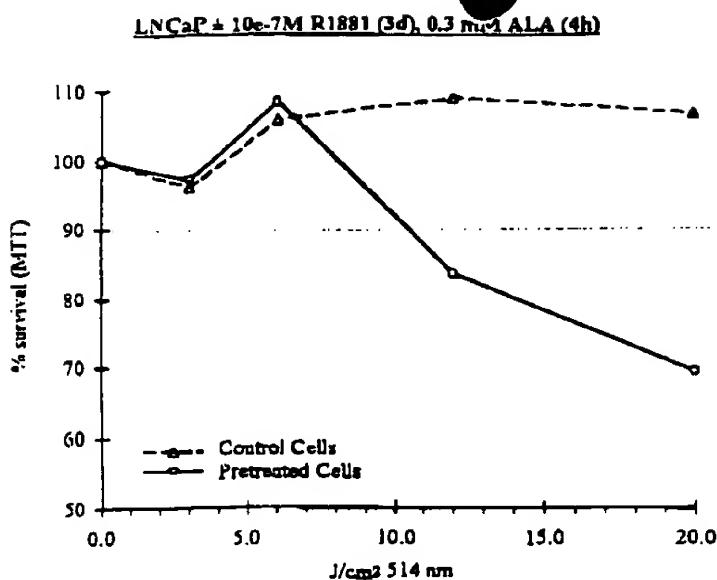


Figure 3.

PDT using ALA-induced PpIX in LNCaP cells with (circles) or without (triangles) pretreatment for 72 hours with 10⁻⁷ M R1881. The cells were incubated with 0.3 mM ALA for four hours prior to exposure to 3-20 J/cm² of 514 nm light. Reduced survival of R1881-pretreated cells.

4

A

4

B

Fig. 4A - B

5

5

A

B

Fig 5A - B